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Jorge A. Goldstein
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Robert E. Sokohl
Eric K. Steffe
Michael Q. Lee
Steven R. Ludwig
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Robert C. Millonig
Lawrence B. Bugaisky
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Timothy J. Shea, Jr.
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Timothy A. Doyle*
Gaby L. Longworth
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Of Counsel
Kenneth C. Bass III
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*Admitted only in Maryland
*Admitted only in Virginia
*Practice Limited to
Federal Agencies

November 4, 2004

WRITER'S DIRECT NUMBER:
(202) 772-8764

INTERNET ADDRESS:
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Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Art Unit 1743

Re: U.S. Utility Patent Application
Application No. 10/648,264; Filed: August 27, 2003
For: **Materials for Enhancing Staining of Biopolymers in Matrices**
Inventor: Scott Whitney
Our Ref: 0942.5190002/RWE/CJW

Sir:

Transmitted herewith for appropriate action are the following documents:

1. Fee Transmittal Form (PTO/SB/17);
2. Credit Card Payment Form PTO-2038 for \$180.00 to cover the fee for submission of an Information Disclosure Statement;
3. Information Disclosure Statement;
4. Form PTO-1449 (6 sheets);
5. First Supplemental Information Disclosure Statement;
6. Form PTO-1449 (2 sheets); and
7. Return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Commissioner for Patents
November 4, 2004
Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Christopher J. Walsh
Agent for Applicant
Registration No. 55,709

CJW/dab
330263_1.DOC
Enclosures



PTO/SB/17 (10-03)

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Project of 1995, persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2005

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 180

Complete if Known

| | |
|----------------------|----------------------|
| Application Number | 10/648,264 |
| Filing Date | August 27, 2003 |
| First Named Inventor | Scott Whitney |
| Examiner Name | Wallenhorst, M. |
| Art Unit | 1743 |
| Attorney Docket No. | 0942.5190002/RWE/CJW |

METHOD OF PAYMENT (check all that apply)

☐ Check ☒ Credit card ☐ Money Order ☒ Other** ☐ None☐ **Charge any deficiencies or credit any overpayments in Deposit Account: the fees to Deposit Acct. No. 19-0036.Deposit
Account
Number
Deposit
Account
Name

19-0036

Sterne, Kessler, Goldstein & Fox
P.L.L.C.

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments☐ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid |
|-------------------------------|-------------------------------|------------------------|----------|
| 1001 790 | 2001 395 | Utility filing fee | |
| 1002 350 | 2002 175 | Design filing fee | |
| 1003 550 | 2003 275 | Plant filing fee | |
| 1004 790 | 2004 395 | Reissue filing fee | |
| 1005 160 | 2005 80 | Provisional filing fee | |
| SUBTOTAL (1) (\$) | | | -0- |

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| Total Claims | - 20 ** = | X | |
| Independent Claims | - 3 ** = | X | |
| Multiple Dependent | | | |

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description |
|-------------------------------|-------------------------------|--|
| 1202 18 | 2202 9 | Claims in excess of 20 |
| 1201 88 | 2201 44 | Independent claims in excess of 3 |
| 1203 300 | 2203 150 | Multiple dependent claim, if not paid |
| 1204 86 | 2204 43 | ** Reissue independent claims over original patent |
| 1205 18 | 2205 9 | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Small Entity

| Fee Code (\$) | Fee Code (\$) | Fee Description | Fee Paid |
|---------------|---------------|--|----------|
| 1051 130 | 2051 65 | Surcharge - late filing fee or oath | |
| 1052 50 | 2052 25 | Surcharge - late provisional filing fee or cover sheet | |
| 1053 130 | 1053 130 | Non-English specification | |
| 1812 2,520 | 1812 2,520 | For filing a request for ex parte reexamination | |
| 1804 920* | 1804 920* | Requesting publication of SIR prior to Examiner action | |
| 1805 1,840* | 1805 1,840* | Requesting publication of SIR after Examiner action | |
| 1251 110 | 2251 55 | Extension for reply within first month | |
| 1252 430 | 2252 215 | Extension for reply within second month | |
| 1253 980 | 2253 490 | Extension for reply within third month | |
| 1254 1,530 | 2254 765 | Extension for reply within fourth month | |
| 1255 2,080 | 2255 1,040 | Extension for reply within fifth month | |
| 1401 340 | 2401 170 | Notice of Appeal | |
| 1402 340 | 2402 170 | Filing a brief in support of an appeal | |
| 1403 300 | 2403 150 | Request for oral hearing | |
| 1451 1,510 | 1451 1,510 | Petition to institute a public use proceeding | |
| 1452 110 | 2452 55 | Petition to revive - unavoidable | |
| 1453 1,370 | 2453 685 | Petition to revive - unintentional | |
| 1501 1,370 | 2501 685 | Utility issue fee (or reissue) | |
| 1502 490 | 2502 245 | Design issue fee | |
| 1503 660 | 2503 330 | Plant issue fee | |
| 1460 130 | 1460 130 | Petitions to the Commissioner | |
| 1807 50 | 1807 50 | Processing fee under 37 CFR 1.17(q) | |
| 1806 180 | 1806 180 | Submission of Information Disclosure Stmt | 180 |
| 8021 40 | 8021 40 | Recording each patent assignment per property (times number of properties) | |
| 1809 790 | 2809 395 | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 1810 790 | 2810 395 | For each additional invention to be examined (37 CFR 1.129(b)) | |
| 1801 790 | 2801 395 | Request for Continued Examination (RCE) | |
| 1802 900 | 1802 900 | Request for expedited examination of a design application | |

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 180

SUBMITTED BY

(Complete (if applicable))

| | | | | | |
|-------------------|-----------------------------|-----------------------------------|------------------|-----------|----------------|
| Name (Print/Type) | Christopher J. Walsh | Registration No. (Attorney/Agent) | 55,709 | Telephone | (202) 371-2600 |
| Signature | <i>Christopher J. Walsh</i> | Date | November 4, 2004 | | |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Scott WHITNEY

Appl. No.: 10/648,264

Filed: August 27, 2003

For: **Materials for Enhancing Staining of
Biopolymers in Matrices**

Confirmation No.: 5236

Art Unit: 1743

Examiner: Wallenhorst, M.

Atty. Docket: 0942.5190002/RWE/CJW

Information Disclosure Statement

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Copies of documents AR1-AS6 were cited by or submitted to the Office in an Information Disclosure Statement that complies with 37 C.F.R. § 1.98(a)-(c) in Application No. No. 09/988,746, filed November 20, 2001, which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).

In accordance with 37 C.F.R. § 1.98(a)(2), no copies of U.S. patents and patent application publications cited on the attached Form PTO-1449 are submitted.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the

effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicant has listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicant reserves the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application. Attached is our PTO-2038 Credit Card Payment Form in the amount of \$180.00 for payment of the fee under 37 C.F.R. § 1.17(p).

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

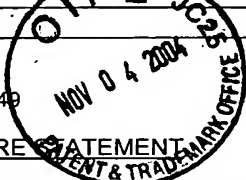
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Christopher J. Walsh
Agent for Applicant
Registration No. 55,709

Date: November 4, 2004

1100 New York Avenue, N.W.
Washington, D.C. 20005-3934
(202) 371-2600

|  | | | | Page 1 of 6 | | |
|---|-----|-----------------|---|--|-----------------|-------------|
| FORM PTO-1449 | | | | ATTY. DOCKET NO. 0942.5190002/RWE/CJW | | |
| INFORMATION DISCLOSURE STATEMENT | | | | APPLICATION NO. 10/648,264 | | |
| PATENT & TRADE-MARK OFFICE | | | | FIRST NAMED INVENTOR Scott WHITNEY | | |
| FILING DATE August 27, 2003 | | | | ART UNIT 1743 | | |
| U.S. PATENT DOCUMENTS | | | | | | |
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | FILING DATE |
| | AA1 | 4,405,720 | 09/20/1993 | Merril | | 01/18/1982 |
| | AB1 | 4,468,466 | 08/28/1984 | Morrissey | | 02/16/1982 |
| | AC1 | 4,575,452 | 03/11/1986 | Lee <i>et al.</i> | | 09/21/1984 |
| | AD1 | 4,703,016 | 10/27/1987 | Merril | | 05/05/1986 |
| | AE | | | | | |
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| FOREIGN PATENT DOCUMENTS | | | | | | |
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | TRANSLATION |
| | AL | | | | | Yes No |
| | AM | | | | | Yes No |
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| | AO | | | | | Yes No |
| | AP | | | | | Yes No |
| OTHER (Including Author, Title, Date, Pertinent Pages, etc.) | | | | | | |
| | AR | 1 | Bergman, A.-C. <i>et al.</i> , "Identification of gel-separated tumor marker proteins by mass spectrometry," <i>Electrophoresis</i> 21:679-686, Wiley-VCH (February 2000). | | | |
| | AS | 1 | Carr, S.A. and Annan, R.S., "Overview of Peptide and Protein Analysis by Mass Spectrometry," in <i>Current Protocols in Protein Science</i> , Coligan, J.E. <i>et al.</i> , Eds., John Wiley & Sons, Inc., New York, NY, pp. 16.1.1-16.1.27 (1996). | | | |
| | AT | 1 | Expressions, "Mass Spectrometry-Compatible Silver Staining," Invitrogen Newsletter for Gene Cloning, Expression, and Analysis, Volume 7, page 9, November 2000. | | | |
| EXAMINER | | | | | DATE CONSIDERED | |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. | | | | | | |

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.5190002/RWE/CJW
FIRST NAMED INVENTOR
Scott WHITNEY
FILING DATE
August 27, 2003

APPLICATION NO.
10/648,264

ART UNIT
1743

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
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| | AA | | | | | | |
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FOREIGN PATENT DOCUMENTS

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| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
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| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|--|----|---|--|
| | AR | 2 | Fernandez, J. and Mische, S.M., "Enzymatic Digestion of Proteins on PVDF Membranes," in <i>Current Protocols in Protein Science</i> , Coligan, J.E. <i>et al.</i> , Eds., New York, NY, pp. 11.2.1-11.2.10 (1995). |
| | AS | 2 | Gharahdaghi, F. <i>et al.</i> , "Mass spectrometric identification of proteins from silver-stained polyacrylamide gel: a method for the removal of silver ions to enhance sensitivity," <i>Electrophoresis</i> 20:601-605, Wiley-VCH (March 1999). |
| | AT | 2 | Hellman, U. <i>et al.</i> , "Improvement of an 'In-Gel' Digestion Procedure for the Micropreparation of Internal Protein Fragments for Amino Acid Sequencing," <i>Anal. Biochem.</i> 224:451-455, Academic Press, Inc. (1995). |

EXAMINER

DATE CONSIDERED

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.5190002/RWE/CJWAPPLICATION NO.
10/648,264FIRST NAMED INVENTOR
Scott WHITNEYFILING DATE
August 27, 2003ART UNIT
1743**U.S. PATENT DOCUMENTS**

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| | AA | | | | | | |
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| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
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| | AR | <u>3</u> | Merril, C.R. <i>et al.</i> , "Silver Staining Methods for Polyacrylamide Gel Electrophoresis," <i>Meth. Enzymol.</i> 96:230-239, Academic Press, Inc. (1983). |
| | AS | <u>3</u> | Oakley, B.R. <i>et al.</i> , "A Simplified Ultrasensitive Silver Stain for Detecting Proteins in Polyacrylamide Gels," <i>Anal. Biochem.</i> 105:361-363, Academic Press, Inc. (1980). |
| | AT | <u>3</u> | Patterson, S.D. and Aebersold, R., "Mass spectrometric approaches for the identification of gel-separated proteins," <i>Electrophoresis</i> 16:1791-1814, VCH (1995). |

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| | AL | | | | | | Yes No |
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|--|----|----------|---|
| | AR | <u>4</u> | Rabilloud, T., "Mechanisms of protein silver staining in polyacrylamide gels: A 10-year synthesis," <i>Electrophoresis</i> 11:785-794, VCH (1990). |
| | AS | <u>4</u> | Rabilloud, T. <i>et al.</i> , "Silver-Staining of Proteins in Polyacrylamide Gels: A General Overview," <i>Cell. Mol. Biol.</i> 40:57-75, Cellular and Molecular Biology (1994). |
| | AT | <u>4</u> | Riviere, L.R., "Enzymatic Digestion of Proteins in Solution," in <i>Current Protocols in Protein Science</i> , Coligan, J.E. <i>et al.</i> , Eds., New York, NY, pp. 11.1.1-11.1.19 (1995). |

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|--|----|----------|--|
| | AR | <u>5</u> | Scheler, C. <i>et al.</i> , "Peptide mass fingerprint sequence coverage from differently stained proteins on two-dimensional electrophoresis patterns by matrix assisted laser desorption/ionization-mass spectrometry (MALDI-MS)," <i>Electrophoresis</i> 19:918-927, Wiley-VCH (1998). |
| | AS | <u>5</u> | Shevchenko, A. <i>et al.</i> , "Mass Spectrometric Sequencing of Proteins from Silver-Stained Polyacrylamide Gels," <i>Anal. Chem.</i> 68:850-858, American Chemical Society (1996). |
| | AT | <u>5</u> | Sigma Catalog, Products for Life Science Research, pp. 962-965 (2000-2001). |

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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| | AR | <u>6</u> | Stone, K.L. and Williams, K.R., "Digestion of Proteins in Gels for Sequence Analysis," in <i>Current Protocols in Protein Science</i> , Coligan, J.E. <i>et al.</i> , Eds., New York, NY, pp. 11.3.1-11.3.13 (1995). |
| | AS | <u>6</u> | Wood, H.W., "The Examination of Gelatin Extracts and Polythionates by means of Paper Electrophoresis," <i>J. Photo. Science</i> 2:154-159, The Royal Photographic Society of Great Britain (1954). |
| | AT | | |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Scott WHITNEY

Appl. No.: 10/648,264

Filed: August 27, 2003

For: **Materials for Enhancing Staining
of Biopolymers in Matrices**

Confirmation No.: 5236

Art Unit: 1743

Examiner: Wallenhorst, M.

Atty. Docket: 0942.5190002/RWE/CJW

First Supplemental Information Disclosure Statement

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. The numbering on this First Supplemental Information Disclosure Statement is a continuation of the numbering in Applicant's Information Disclosure Statement filed concurrently herewith in connection with the above-captioned application.

In accordance with 37 C.F.R. § 1.98(a)(2), no copies of the U.S. patents cited on the attached Form PTO-1449 are submitted.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicant has listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates

should not be construed as an admission that the information was actually published on the date indicated.

Applicant reserves the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application.

Our PTO-2038 Credit Card Payment Form in the amount of \$180.00 is enclosed with the Information Disclosure Statement filed concurrently herewith for payment of the fee under 37 C.F.R. § 1.17(p). It is believed that no further fee payment is due.

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Christopher J. Walsh
Agent for Applicant
Registration No. 55,709

Date: November 4, 2004

1100 New York Avenue, N.W.
Washington, D.C. 20005-3934
(202) 371-2600

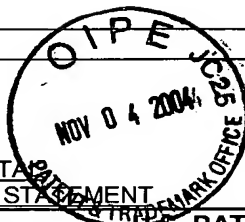
FORM PTO-1449

ATTY. DOCKET NO.
0942.5190002/RWE/CJW
FIRST NAMED INVENTOR
Scott WHITNEY
FILING DATE
August 27, 2003

APPLICATION NO.
10/648,264

FIRST SUPPLEMENTARY
INFORMATION DISCLOSURE STATEMENT

ART UNIT
1743



U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|-----|--------------------|------------|-------------------------------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE1 | 4,416,998 | 11/22/1983 | Adams <i>et al.</i> | | | 03/17/1982 |
| | AF1 | 4,434,234 | 02/28/1984 | Adams <i>et al.</i> | | | 06/09/1982 |
| | AG1 | 4,582,808 | 04/15/1986 | Oosawa <i>et al.</i> | | | 05/18/1984 |
| | AH1 | 5,064,768 | 11/12/1991 | Ebata <i>et al.</i> | | | 09/12/1989 |
| | AI1 | 5,492,810 | 02/20/1996 | Caetano-Anolles <i>et al.</i> | | | 02/08/1994 |
| | AJ1 | 5,567,585 | 10/22/1996 | Caetano-Anolles <i>et al.</i> | | | 06/09/1994 |
| | AK1 | 6,127,122 | 10/03/2000 | Park <i>et al.</i> | | | 07/02/1998 |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|--------------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |


OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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| Page 2 of 2 | | | |
| FORM PTO-1449 FIRST SUPPLEMENTAL PATENT INFORMATION DISCLOSURE STATEMENT | <div style="text-align: center;">  </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;"> ATTY. DOCKET NO. 0942.5190002/RWE/CJW FIRST NAMED INVENTOR Scott WHITNEY FILING DATE August 27, 2003 </td> <td style="width: 40%;"> APPLICATION NO. 10/648,264 ART UNIT 1743 </td> </tr> </table> | ATTY. DOCKET NO. 0942.5190002/RWE/CJW FIRST NAMED INVENTOR Scott WHITNEY FILING DATE August 27, 2003 | APPLICATION NO. 10/648,264 ART UNIT 1743 |
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U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|-----|-----------------|------------|-------------------------|-------|-----------|-------------|
| | AA2 | 6,316,267 B1 | 11/13/2001 | Bhalgat <i>et al.</i> | | | 10/27/1999 |
| | AB2 | 3,835,143 | 09/10/1974 | Witzel <i>et al.</i> | | | 01/25/1972 |
| | AC2 | 4,853,413 | 08/01/1989 | Katz <i>et al.</i> | | | 04/03/1987 |
| | AD2 | 5,486,460 | 01/23/1996 | Townsend | | | 05/20/1993 |
| | AE2 | 5,545,308 | 08/13/1996 | Murphy <i>et al.</i> | | | 06/19/1995 |
| | AF2 | 4,007,135 | 02/08/1977 | Hayden <i>et al.</i> | | | 11/22/1974 |
| | AG2 | 5,200,296 | 04/06/1993 | Nagamatsu <i>et al.</i> | | | 04/08/1992 |
| | AH2 | 6,635,489 B2 | 10/21/2003 | Whitney | | | 11/20/2001 |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

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| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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